

Converting Colors

XYZ(72.3642, 81.4695,
106.5189)

Have a look what the booklet for
XYZ(72.3642, 81.4695, 106.5189)
contains.

XYZ(72.4988, 81.5459, 106.5266)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.4988, 81.5459,
106.5266)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F0FF
RGB	198, 240, 255
RGB Percent	78%, 94%, 100%
CMY	0.2235, 0.0588, 0.0000
CMYK	0.22, 0.06, 0.00, 0.00
HSL	196°, 100%, 89%
HSV	196°, 22%, 100%
XYZ	72.4988, 81.5459, 106.5266
YIQ	229.1520, -29.8470, -4.2390

Conversions

Conversions Part 2

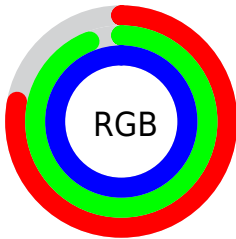
Format	Color
RYB	198, 222, 255
Decimal	13037823
CIELab	92.37, -10.29, -11.69
CIElCh	92, 15.575, 228.667
Yxy	81.5459, 0.2782, 0.3130
Android (android.graphics.Color)	4291227903 (0xFFC6F0FF)
YUV	229.1520, 12.7431, -27.3203
Hunter-Lab	90.3028, -14.7227, -6.7301

Details

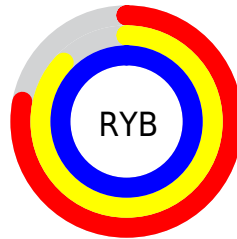
The XYZ color **72.4988, 81.5459, 106.5266** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.2272, 72.9250, 63.5390**, and the grayscale version is **74.5147, 78.3953, 85.3725**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6612, 44.1978, 59.9195** is the 20% darker color. If you saturate the color by 10%, you get **64.3966, 74.4932, 105.5923**, and if you desaturate by 10%, it is **81.8099, 89.3344, 107.5392**.

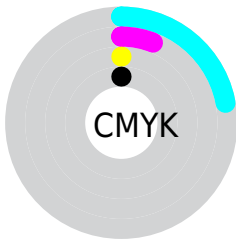
Distribution



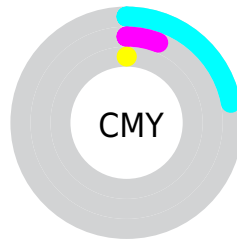
- Red (78%)
- Green (94%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4988, 81.5459, 106.5266 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 72.4988, 81.5459, 106.5266 by changing the saturation by 10% instead.

72.4988, 81.5459,
106.5266

72.4988, 81.5459,
106.5266

458.4066,
500.1275, 602.3455

53.8532, 60.9913,
81.1151

121.7724,
135.5370, 172.2275

38.7145, 44.2181,
60.1048

153.1311,
169.7423, 213.3540

26.7174, 30.8420,
43.0773

189.4581,
209.2667, 260.5559

17.4966, 20.4786,
29.6139

231.1189,
254.4944, 314.2518

10.6867, 12.7434,
19.2962

278.4788,
305.8100, 374.8601

5.9223, 7.2521,
11.7055

331.9031,

2.8381, 3.6203,

363.5977, 442.7995

6.4234

391.7573,
428.2421, 518.4884

■ 1.0687, 1.4635,
3.0313

■ 0.0000, 0.2628,
1.1106

■ 72.4988, 81.5459,
106.5266

■ 72.4988, 81.5459,
106.5266

■ 64.3966, 74.4932,
105.5923

■ 81.8099, 89.3344,
107.5392

■ 57.4394, 68.1359,
104.7319

■ 92.3767, 97.8778,
108.6313

■ 51.5671, 62.4439,
103.9428

■ 95.0500, 100.0000,
108.9000

■ 46.7111, 57.3808,
103.2214

■ 42.7946, 52.9057,
102.5640

■ 39.7292, 48.9717,
101.9663

■ 37.4080, 45.5226,
101.4229

■ 36.0144, 43.1489,
101.0381

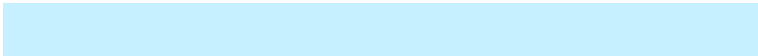
Harmonies

Analogous

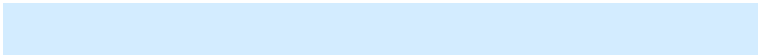
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3918, 81.5459, 96.0873



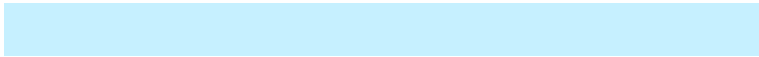
72.4988, 81.5459, 106.5266



75.9934, 81.5459, 112.3872

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.4988, 81.5459, 106.5266



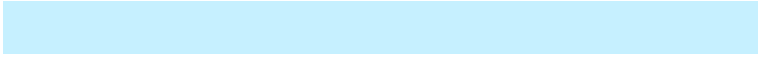
85.3595, 81.5459, 93.2245



75.0520, 81.5459, 69.3722

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



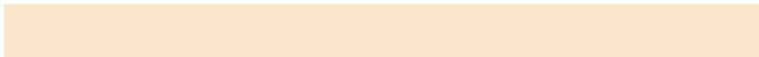
72.4988, 81.5459, 106.5266



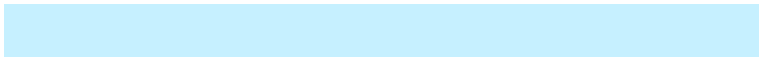
75.2272, 72.9250, 63.5390

Split Complementary

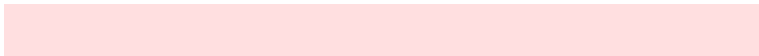
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0404, 81.5459, 68.7505



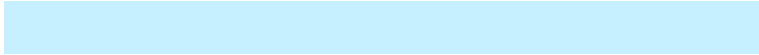
72.4988, 81.5459, 106.5266



85.0861, 81.5459, 81.8711

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4988, 81.5459, 106.5266



83.4752, 81.5459, 104.2751



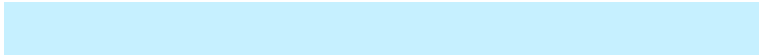
82.7405, 81.5459, 73.1396



71.8302, 81.5459, 74.9186

Rectangle

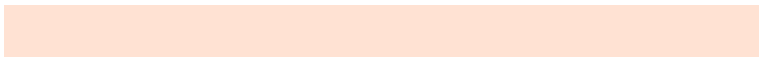
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4988, 81.5459, 106.5266



78.6811, 81.5459, 112.5972



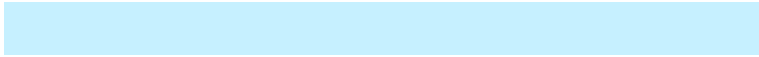
82.7405, 81.5459, 73.1396



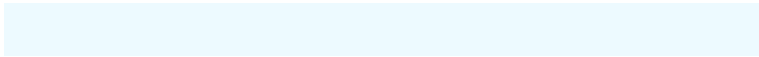
76.3445, 81.5459, 68.5994

Sweetspot

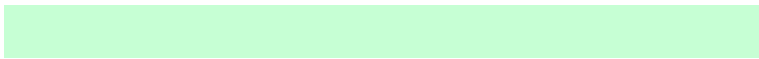
The Sweet Spot groups the original color and five complimentary colors.



72.5010, 81.5491, 106.5271



87.3053, 93.8106, 108.1135



70.9650, 88.2924, 75.7562



18.5503, 19.9689, 23.1266



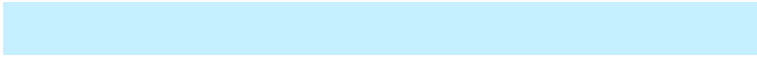
0.0000, 0.0000, 0.0000



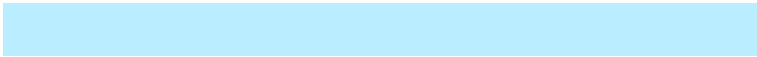
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5010, 81.5491, 106.5271



68.5874, 78.1804, 106.0831



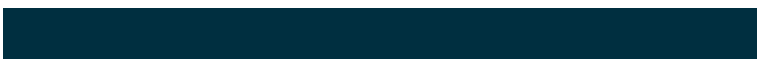
64.9461, 66.4394, 104.0088



18.1268, 19.6251, 23.0826



18.9467, 22.8029, 52.8374



1.9340, 2.3986, 5.1743

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77.1636, 67.9411, 91.4887



74.1000, 62.5488, 88.2013



82.8150, 88.1005, 66.0682



18.5766, 18.2140, 21.6536



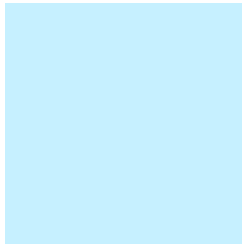
26.3516, 13.0299, 26.2997



2.6108, 1.2867, 2.7978

Previews

White Background



This preview shows how the XYZ color 72.4988, 81.5459, 106.5266 looks on a white background.

Color Contrast Check

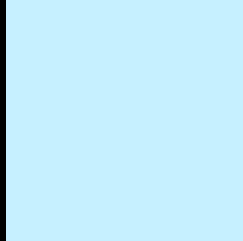
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 72.4988, 81.5459, 106.5266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

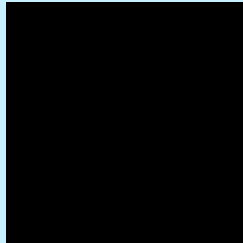
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.4988, 81.5459, 106.5266

Background



This preview shows how black text looks on a background with the XYZ color 72.4988, 81.5459, 106.5266.



This preview shows how white text looks on a background with the XYZ color 72.4988, 81.5459,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.4988, 81.5459, 106.5266

Protanopia

78.9535, 81.1472, 101.1242

Deuteranopia

82.1370, 81.0354, 105.9201



Tritanopia

73.5264, 81.2064, 106.4069

Trichromacy



Original Color

72.4988, 81.5459, 106.5266

Protanomaly

76.3506, 81.0263, 102.8823

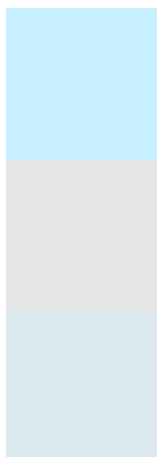
Deuteranomaly

78.2706, 81.1020, 106.1367

Tritanomaly

73.2736, 81.5096, 106.4787

Monochromacy



Original Color

72.4988, 81.5459, 106.5266

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.4850, 79.3563, 92.3331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4988, 81.5459, 106.5266 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(198, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 240, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.4988, 81.5459, 106.5266 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 240, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(198, 240, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4988, 81.5459, 106.5266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 240, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198,  
240, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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